

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120623\  
 Data File : VY016620.D  
 Acq On : 06 Dec 2023 16:54  
 Operator : SY/MD  
 Sample : 05599-15RE  
 Misc : 4.43g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 07 00:35:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 05 01:24:25 2023  
 Response via : Initial Calibration

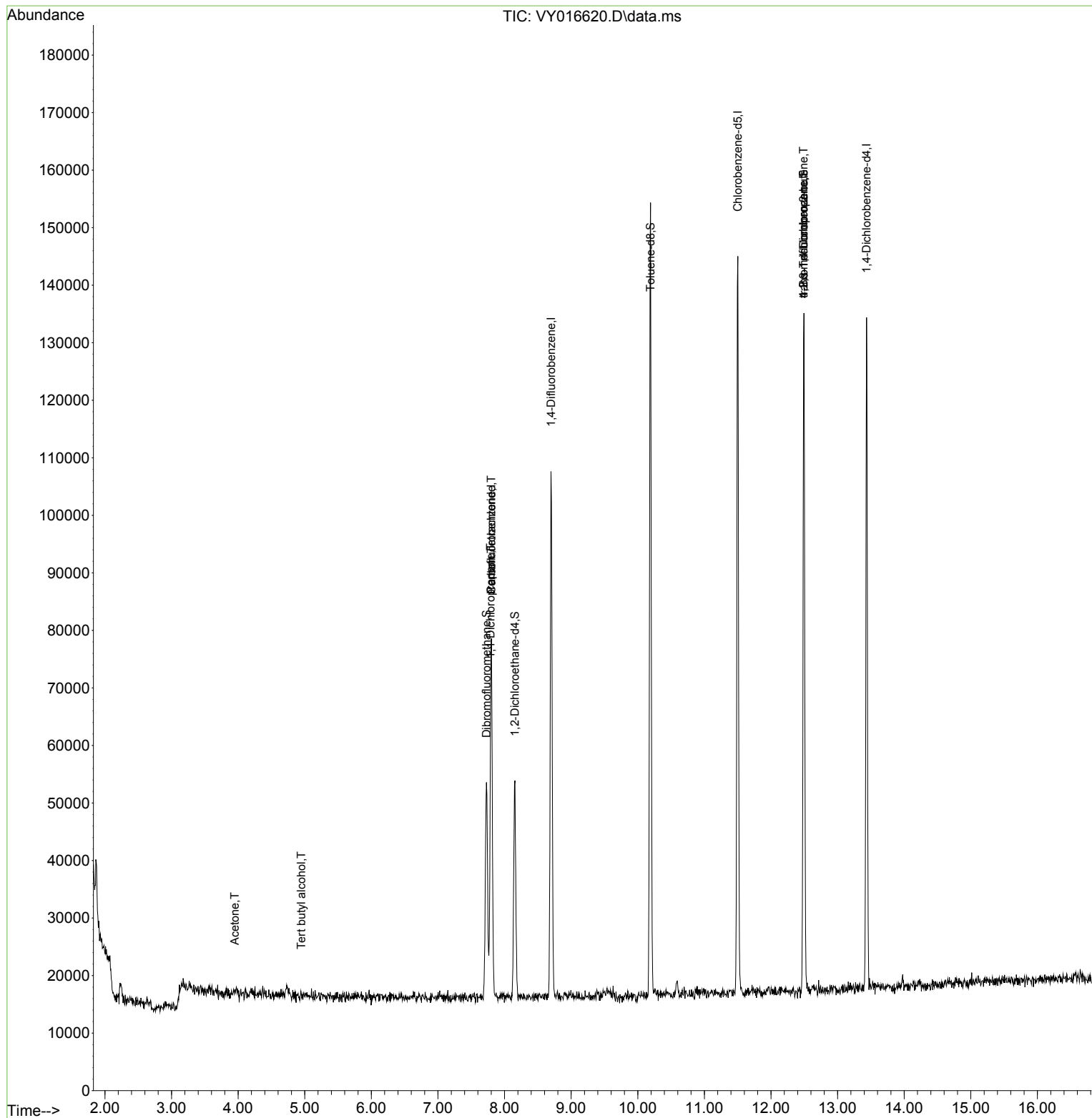
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.801     | 168   | 51119    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 79617    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.502    | 117   | 75025    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434    | 152   | 33140    | 50.000    | ug/l       | 0.00     |
|                               |           |       |          |           |            |          |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.155     | 65    | 30929    | 65.461    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 130.920% |          |
| 35) Dibromofluoromethane      | 7.728     | 113   | 26224    | 54.732    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 109.460% |          |
| 50) Toluene-d8                | 10.191    | 98    | 90917    | 50.165    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 100.320% |          |
| 62) 4-Bromofluorobenzene      | 12.489    | 95    | 28247    | 47.394    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 94.780%  |          |
|                               |           |       |          |           |            |          |
| Target Compounds              |           |       |          |           |            | Qvalue   |
| 11) Tert butyl alcohol        | 4.948     | 59    | 170      | 5.281     | ug/l       | # 89     |
| 16) Acetone                   | 3.948     | 43    | 1211     | 11.327    | ug/l       | # 99     |
| 20) Methylene Chloride        | 4.741     | 84    | 1164     | Below Cal | #          | 53       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 3363     | 4.617     | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 7.801     | 117   | 4611     | 5.469     | ug/l       | # 15     |
| 76) 1,2,3-Trichloropropane    | 12.489    | 75    | 15982    | 53.387    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.489    | 75    | 15982    | 120.430   | ug/l       | # 10     |
| 95) Naphthalene               | 15.251    | 128   | 248      | Below Cal | #          | 69       |
| -----                         |           |       |          |           |            |          |

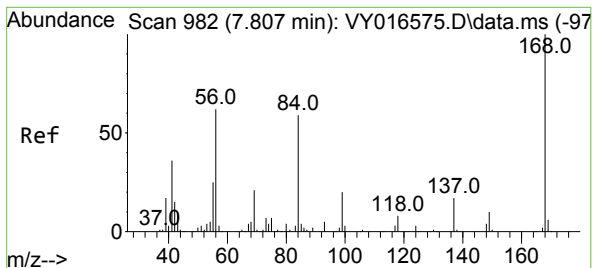
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 05 01:24:25 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 9

Delta R.T. -0.006 min

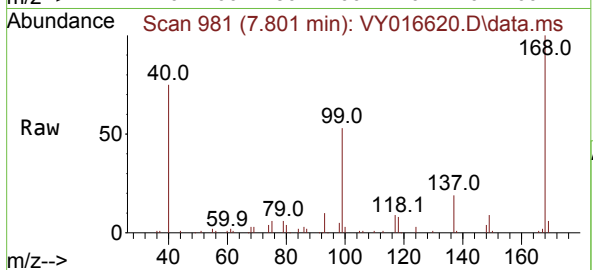
Lab File: VY016620.D

Acq: 06 Dec 2023 16:54

Instrument :

MSVOA\_Y

ClientSampleId :

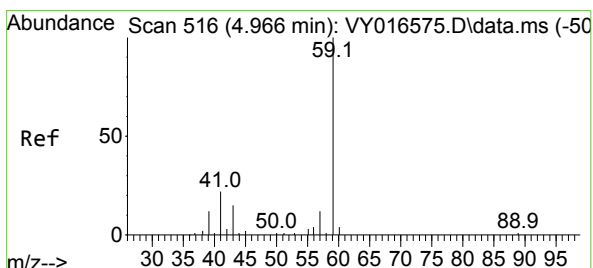
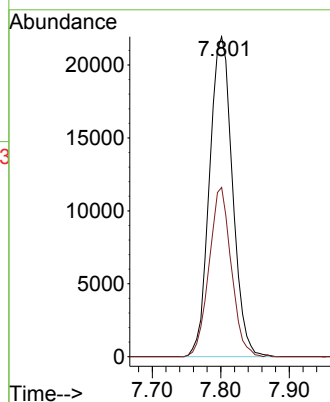
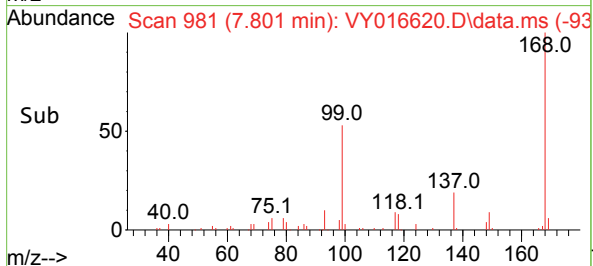


Tgt Ion:168 Resp: 51119

Ion Ratio Lower Upper

168 100

99 52.9 43.4 65.0



#11

Tert butyl alcohol

Concen: 5.281 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY016620.D

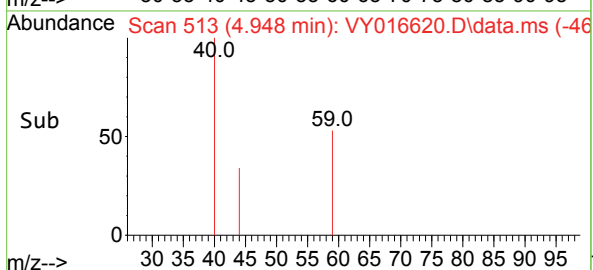
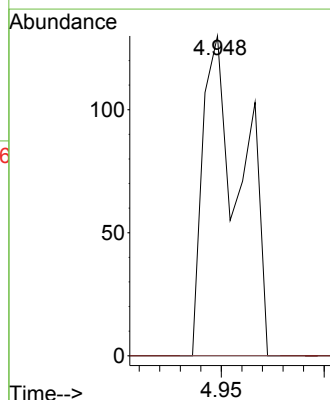
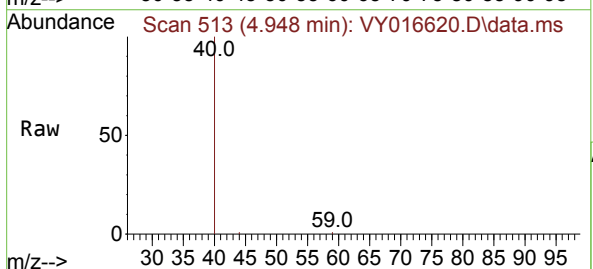
Acq: 06 Dec 2023 16:54

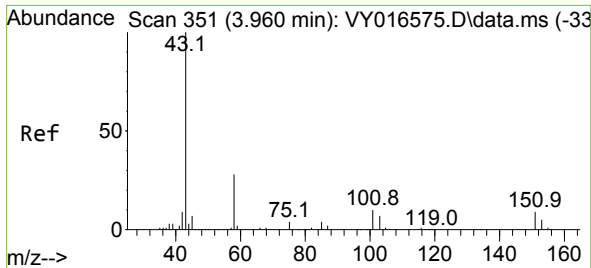
Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

59 100

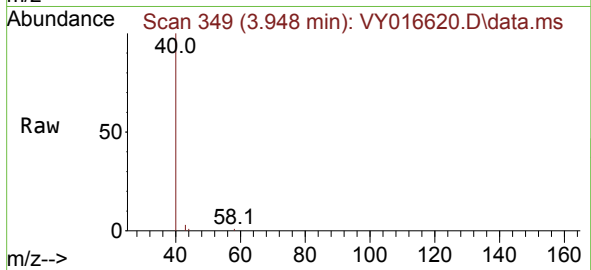
57 0.0 3.0 4.4#



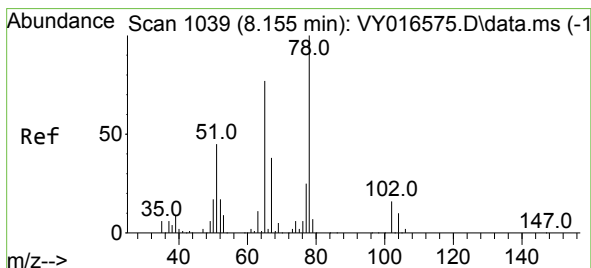
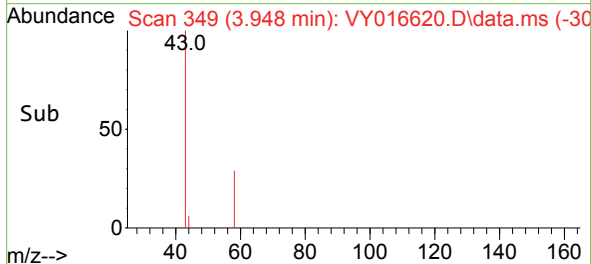
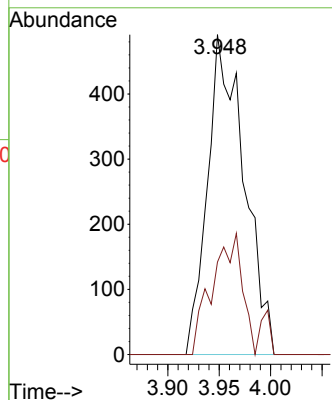


#16  
Acetone  
Concen: 11.327 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

Instrument :  
MSVOA\_Y  
ClientSampleId :

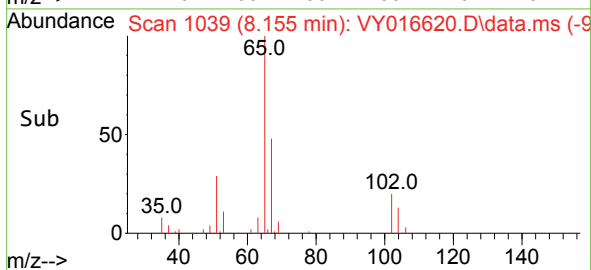
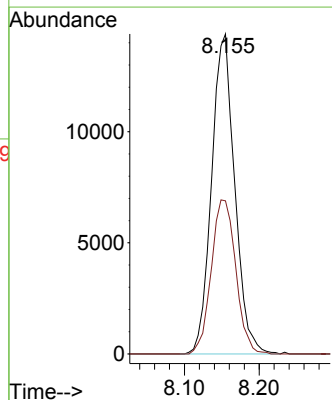
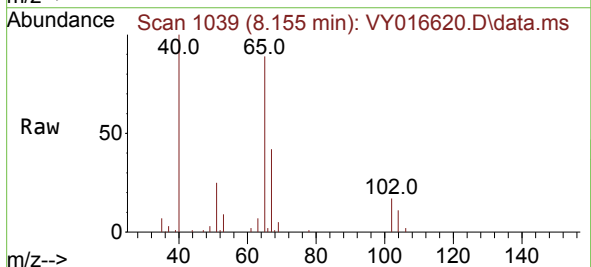


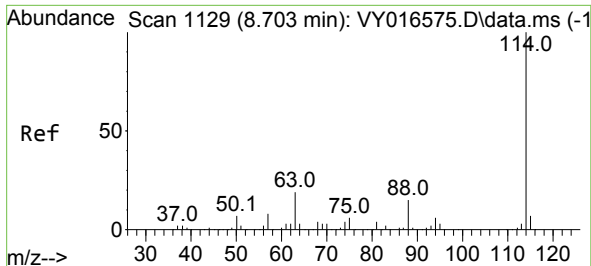
Tgt Ion: 43 Resp: 1211  
Ion Ratio Lower Upper  
43 100  
58 28.9 22.7 34.1



#33  
1,2-Dichloroethane-d4  
Concen: 65.461 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

Tgt Ion: 65 Resp: 30929  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016620.D

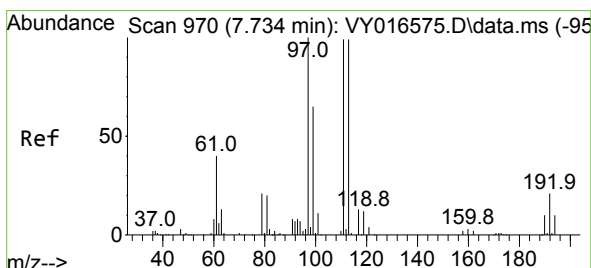
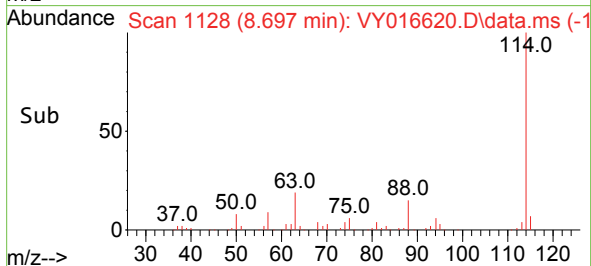
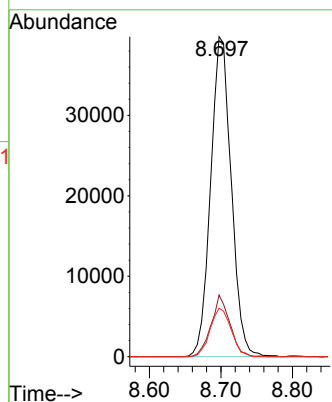
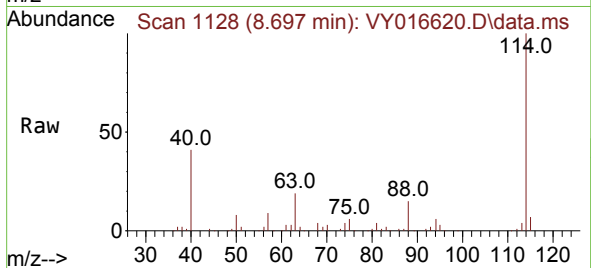
Acq: 06 Dec 2023 16:54

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 79617    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 19.3  | 0.0 42.4 |
| 88          | 15.1  | 0.0 30.6 |



#35

Dibromofluoromethane

Concen: 54.732 ug/l

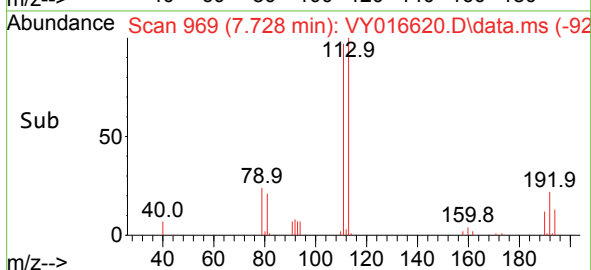
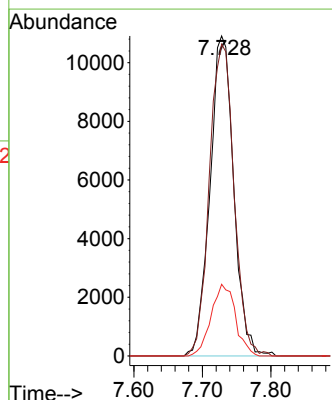
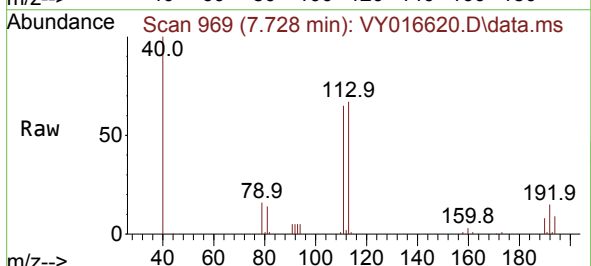
RT: 7.728 min Scan# 969

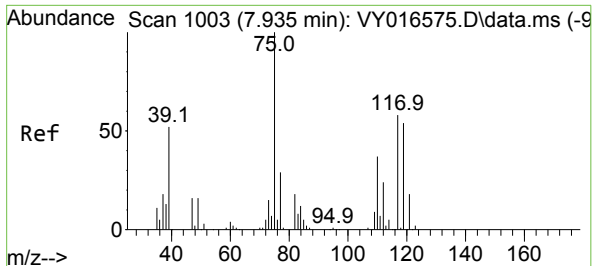
Delta R.T. -0.006 min

Lab File: VY016620.D

Acq: 06 Dec 2023 16:54

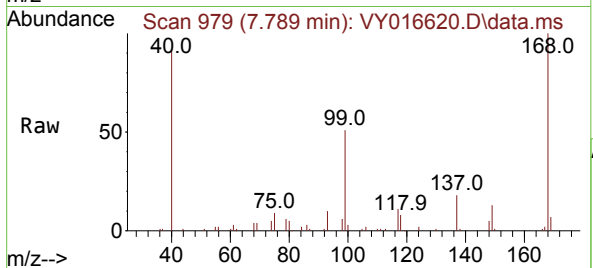
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 26224      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 100.9 | 81.3 121.9 |
| 192         | 23.0  | 16.9 25.3  |



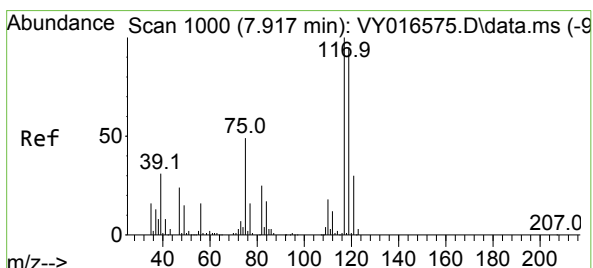
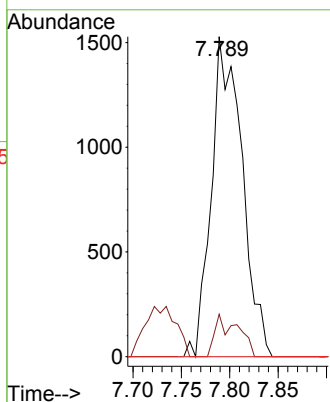
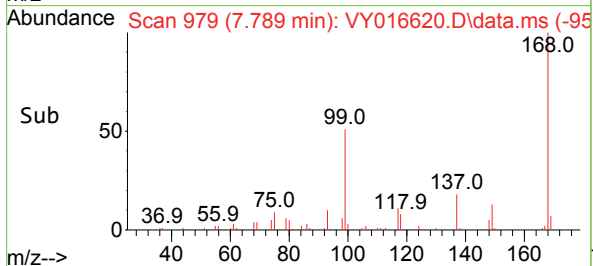


#36  
1,1-Dichloropropene  
Concen: 4.617 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.146 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

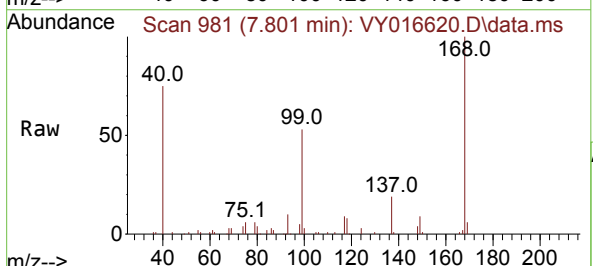
Instrument :  
MSVOA\_Y  
ClientSampleId :



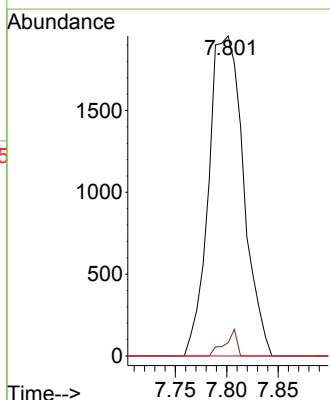
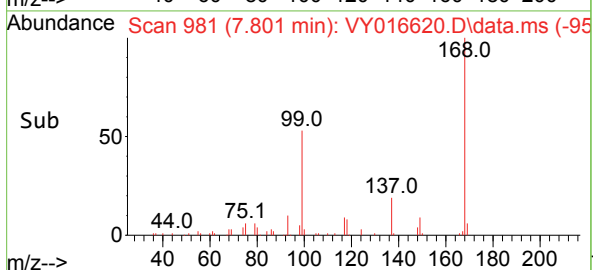
Tgt Ion: 75 Resp: 3363  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.8 53.5#  
77 0.0 24.4 36.6#

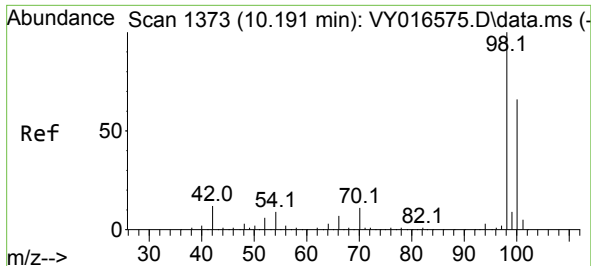


#38  
Carbon Tetrachloride  
Concen: 5.469 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.116 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54



Tgt Ion: 117 Resp: 4611  
Ion Ratio Lower Upper  
117 100  
119 4.1 76.4 114.6#  
121 0.0 25.8 38.6#

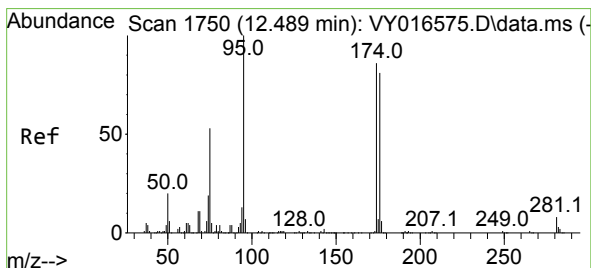
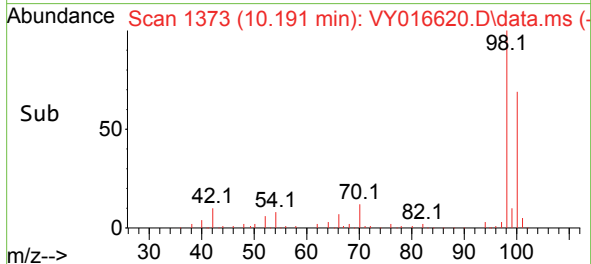
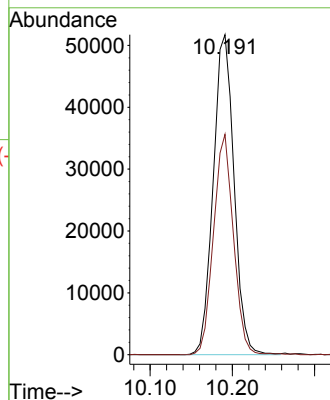
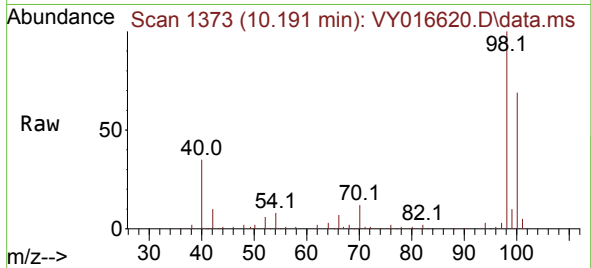




#50  
Toluene-d8  
Concen: 50.165 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

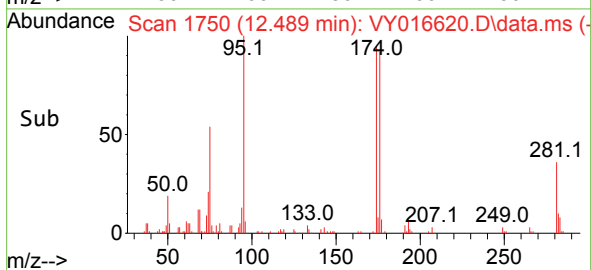
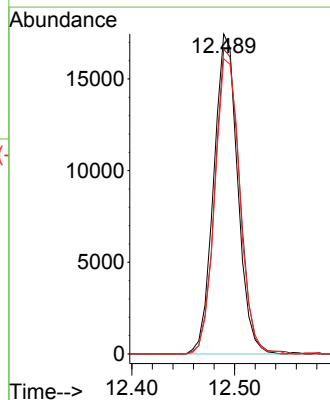
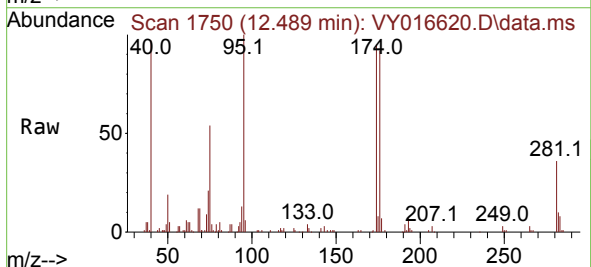
Instrument :  
MSVOA\_Y  
ClientSampleId :

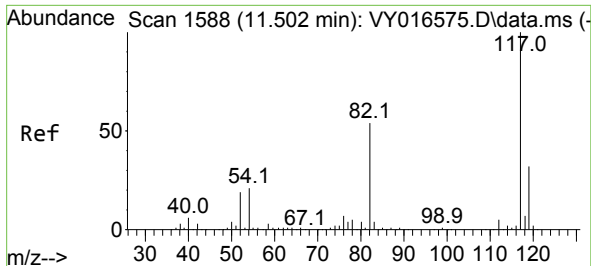
Tgt Ion: 98 Resp: 90917  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 47.394 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

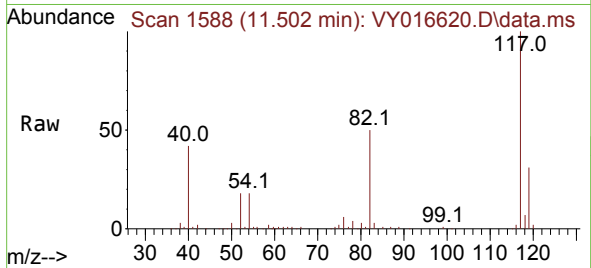
Tgt Ion: 95 Resp: 28247  
Ion Ratio Lower Upper  
95 100  
174 98.8 0.0 178.2  
176 96.3 0.0 173.8



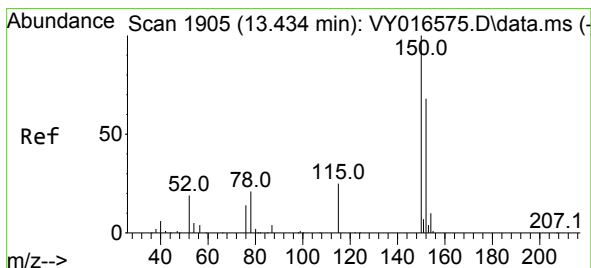
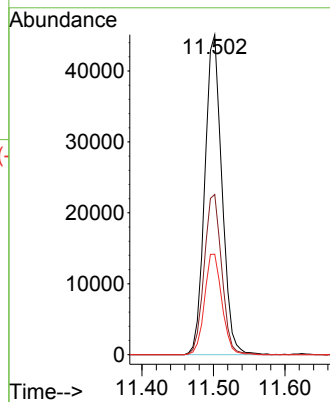
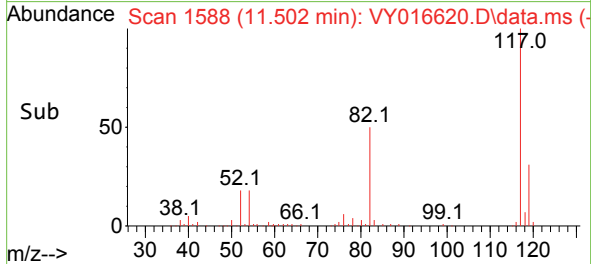


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

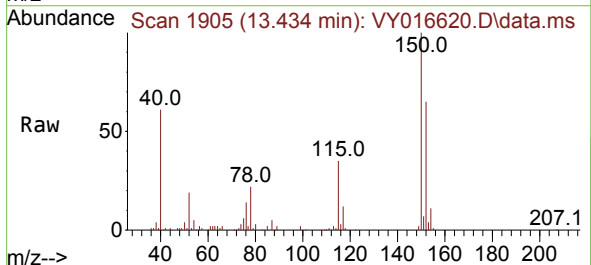
Instrument :  
MSVOA\_Y  
ClientSampleId :



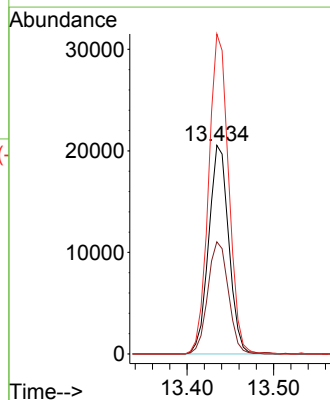
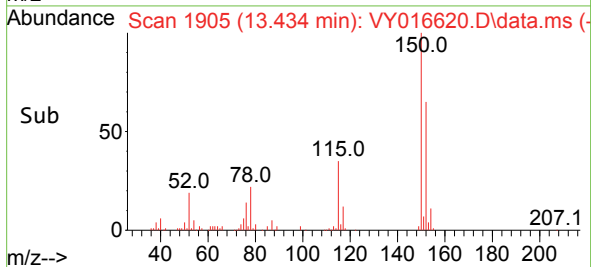
Tgt Ion:117 Resp: 75025  
Ion Ratio Lower Upper  
117 100  
82 50.1 43.4 65.0  
119 31.4 26.3 39.5

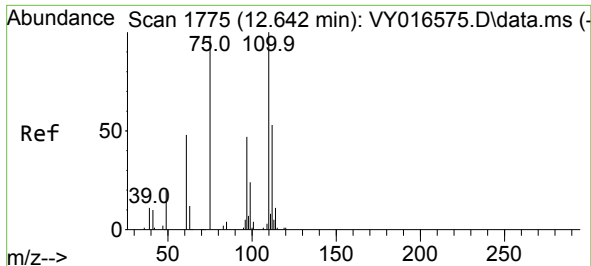


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54



Tgt Ion:152 Resp: 33140  
Ion Ratio Lower Upper  
152 100  
115 55.0 28.8 86.5  
150 152.4 0.0 348.8

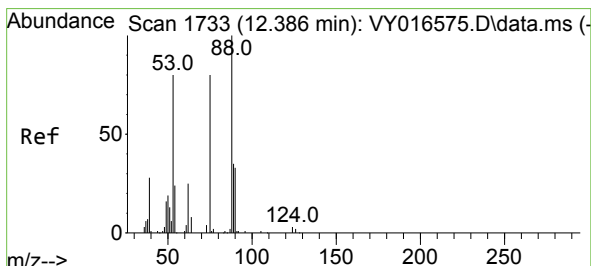
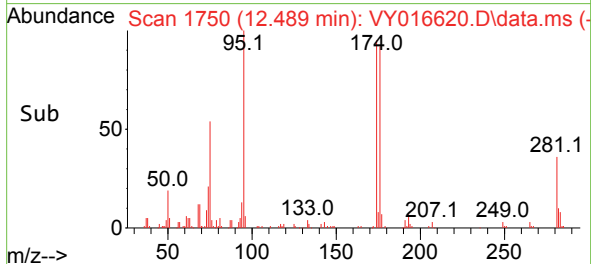
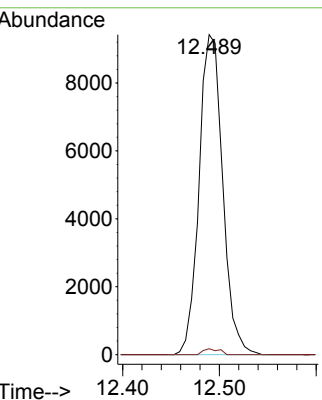
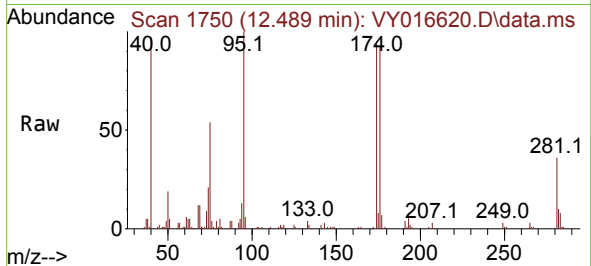




#76  
1,2,3-Trichloropropane  
Concen: 53.387 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.152 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 15982  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 120.430 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.104 min  
Lab File: VY016620.D  
Acq: 06 Dec 2023 16:54

Tgt Ion: 75 Resp: 15982  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#

